

## NAT II Physical Science Analytical

Sr	Questions	Answers Choice
1	Rizwan was born in 1956, and so in 7965 he was nine years old. If we per use this example, it is clear that the last two digits of a person's birth will be the same as the last two digits of the year of that person's ninth birthday, except that the position of the digits will be reversed. Identify, which is the best criticism of the assertions made above.	<p>A. The generalization is valid only for those, in which last digit of their birth years is greater than four.</p> <p>B. The generalization is applicable only for those birth years that do not end in two zeroes.</p> <p>C. This example is not best illustration of the fact</p> <p>D. The generalization is valid only for those birth years in which the difference of the last two digits is one</p> <p>E. The generalization is valid only for those birth years that ends with 6</p>
2	A group of dog lovers declare that the principal virtue of the dog is its general friendliness towards all people. But, another group of cat lovers declare that the principal virtue of the cat is its peculiar friendliness towards its provider. Which of the following is true of the claims of both dogs and cats lovers?	<p>A. Animal have not a sense to understand human behaviour</p> <p>B. Groups of animal lovers are friendly</p> <p>C. Friendliness is a virtue</p> <p>D. They apply the same standard</p> <p>E. Uncommon virtue of friendliness</p>
3	<p>A railway track from Lahore to Islamabad consists of six main stations, P, Q, R, X, Y, and Z. Trains run only according to the following condition:</p> <p>(i) Frm P to Q</p> <p>(ii) From Q to P and from Q to R</p> <p>(iii) From R to X</p> <p>(iv) From X to Q and from X to Y</p> <p>(v) From Z to P, from Z to Y and from Z to R</p> <p>(vi) From Y to X</p> <p>(vii) It is possible to transfer a station for another train.</p> <p>Q. The trip which requires greatest number of transfer, is:</p>	<p>A. P to R</p> <p>B. Q to Y</p> <p>C. Z to Q</p> <p>D. Z to R</p> <p>E. Z to Y</p>
4	<p>A railway track from Lahore to Islamabad consists of six main stations, P, Q, R, X, Y, and Z. Trains run only according to the following condition:</p> <p>(i) Frm P to Q</p> <p>(ii) From Q to P and from Q to R</p> <p>(iii) From R to X</p> <p>(iv) From X to Q and from X to Y</p> <p>(v) From Z to P, from Z to Y and from Z to R</p> <p>(vi) From Y to X</p> <p>(vii) It is possible to transfer a station for another train.</p> <p>Q. The greatest number of stations that can be visited without visiting any station more than once, is:</p>	<p>A. 4</p> <p>B. 5</p> <p>C. 6</p> <p>D. 3</p> <p>E. 2</p>
	<p>A railway track from Lahore to Islamabad consists of six main stations, P, Q, R, X, Y, and Z. Trains run only according to the following condition:</p> <p>(i) Frm P to Q</p> <p>(ii) From Q to P and from Q to R</p>	

(iii) From Q to P and from Q to R

(iii) From R to X

5 (iv) From X to Q and from X to Y

(v) From Z to P, from Z to Y and from Z to R

(vi) From Y to X

(vii) It is possible to transfer a station for another train.

- A. P and Q
- B. P and X
- C. X and Y
- D. X and Z
- E. X, P and Z

Q. The complete and accurate listing of the stations from which it is possible to reach R with exactly one transfer is :

A chemist is preparing a nutriment using eight different vitamins and minerals ....A, B, C, D, E, H, F(Ferric), and Z(Zinc). According to the recipes, the following requirements apply to the use of ingredients:

(i) If B is used, both C and Z must also be used

(ii) E and H must always be used together

6 (iii) If C is used, at least two of A, B and F must also be used

(iv) C and H cannot be used together

(v) E, F and Z cannot all be used in a same nutriment

(vi) A, D, and Z cannot all be used in the same nutriment

- A. A, D, Z
- B. B, H, E
- C. C, D, H
- D. C, E, Z
- E. E, H, F

Q: By the addition of exactly one more mineral, which of the following could make an acceptable combination of vitamins and minerals?

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(v) E, F and Z cannot all be used in a same nutriment

(vi) A, D, and Z cannot all be used in the same nutriment

- A. B
- B. D
- C. H
- D. F
- E. Z

Q: Which of the following cannot be included in a nutriment that contains E?

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(iv) C and H cannot be used together

(v) E, F and Z cannot all be used in a same nutriment

(vi) A, D, and Z cannot all be used in the same nutriment

- A. A, B, C, F
- B. D, E, H, Z
- C. A, D, E, Z
- D. C, D, E, F
- E. E, H, F, Z

Q: Which of the following is a suitable combination of vitamins and minerals for a nutriment?